

**Amendment to the Claims**

*A listing of the claims present in this patent application appears below. This listing replaces all prior versions and listing of claims in this patent application.*

Claims 1-235 (Canceled).

236. (New) A composition comprising as a first component, a fraction isolated or derived from hops; and as a second component, at least one member selected from the group consisting of rosemary, an extract derived from rosemary, a compound derived from rosemary, and a triterpene species.

237. (New) The composition of Claim 236, wherein the fraction isolated or derived from hops is extracted with CO<sub>2</sub>.

238. (New) The composition of Claim 236, wherein the fraction isolated or derived from hops is reduced isoalpha acids.

239. (New) The composition of Claim 236, wherein the fraction isolated or derived from hops comprises a compound selected from the group consisting of dihydro-isohumulone, dihydro-isocohumulone, dihydro-adhumulone, tetrahydro-isohumulone, tetrahydro-isocohumulone, tetrahydro-adhumulone, hexahydro-isohumulone, hexahydro-isocohumulone, and hexahydro-adhumulone.

240. (New) The composition of Claim 236, wherein the second component is a compound derived from rosemary selected from the group consisting of 1,8-cineole, 19-alpha-hydroxyursolic acid, 2-β-hydroxyoleanolic acid, 3-O-acetyloleanolic acid, 3-O-acetylursolic acid, 6-methoxyluteolin-7-glucoside, 6-methoxyluteolin, 6-methoxyluteolin-7-glucoside, methoxyluteolin-7-methylether, 7-ethoxy-rosmanol, 7-methoxy-rosmanol, alpha-amyrin, alpha-humulene, alpha-hydroxyhydrocaffeic acid, alpha-pinene, alpha-terpinene, alpha-terpinenyl acetate, alpha-terpineol, alpha-thujone, apigenin, apigenin-7-glucoside, curcumene, benzyl-alcohol, β-amyrenone, β-amyrin,

$\beta$ -elemene,  $\beta$ -pinene, betulin, betulinic acid, borneol, bornyl-acetate, caffeic acid, camphene, camphor, carnosic acid, carnosol, carvacrol, carvone, caryophyllene, caryophyllene-oxide, chlorogenic acid, diosmetin, gamma-terpinene, hesperidin, isoborneol, limonene, luteolin, luteolin-3'-O-(3''-O-acetyl)- $\beta$ -D-glucuronide, luteolin-3'-O-(4''-O-acetyl)- $\beta$ -D-glucuronide, luteolin-3'-O- $\beta$ -D-glucuronide, luteolin-7-glucoside, methyl-eugenol, myrcene, neo-chlorogenic acid, nepetin, octanoic acid, oleanolic acid, p-cymene, piperitenone, rosmanol, rosmaric acid, rosmarinic acid, rosmaridiphenol, rosmarinic acid, rosmarinol, rosmariquinone, sabinene, sabinyl acetate, salicylates, salicylic acid-2- $\beta$ -D-glucoside, squalene, terpinen-4-ol, terpinolene, thymol, trans-anethole, trans-carveol, ursolic acid, verbenone, and zingiberene.

241. (New) The composition of Claim 236, wherein the second component is a triterpene species selected from the group consisting of 18- $\alpha$ -glycyrrhetic acid, 18- $\beta$ -glycyrrhetic acid, 2- $\alpha$ -3- $\alpha$ -dihydroxyurs-12- $\beta$ - $\alpha$ -28- $\alpha$ -onic acid, 3- $\alpha$ -hydroxyursolic acid, 3-oxo-ursolic acid, betulin, betulinic acid, celastrol, eburicoic acid, friedelin, glycyrrhizin, gypsogenin, oleanolic acid, oleanolic acid-3-acetate, pachymic acid, pinicolic acid, sophoradiol, soyasapogenol A, soyasapogenol B, tripterin, triptophenolide, tumulosic acid, ursolic acid, ursolic acid-3-acetate, uvaol, and  $\beta$ -sitosterol.

242. (New) The composition of Claim 236, wherein the composition comprises about 0.5 to 10,000 mg of the fraction isolated or derived from hops.

243. (New) The composition of Claim 236, wherein the composition comprises about 0.5 to 5,000 mg of the second component, wherein the second component is selected from the group consisting of rosemary, extract derived from rosemary, and a compound derived from rosemary.

244. (New) The composition of Claim 236, wherein the composition comprises about 0.035 to 3,500 mg of a triterpene species, wherein the second component is a triterpene species.

245. (New) The composition of Claim 236, wherein the composition comprises about 0.001 to 10 weight percent of the first component.

246. (New) The composition of Claim 236, wherein the composition comprises about 0.001 to 10 weight percent of the second component.

247. (New) The composition of Claim 236, wherein a ratio of the first component to the second component is in the range of about 100:1 to about 1:100.

248. (New) The composition of Claim 236, wherein the composition further comprises a pharmaceutically acceptable carrier.

249. (New) The composition of claim 236, further comprising glucosamine.

250. (New) A method of modulating inflammatory response in cells, the method comprising contacting the cells with a composition comprising a fraction isolated or derived from hops and a second component selected from the group consisting of rosemary, an extract derived from rosemary, a compound derived from rosemary, and a triterpene species.

251. (New) The method of claim 250, wherein the composition further comprises glucosamine.

252. (New) A method of treating or inhibiting a pathological condition in a mammal associated with tissue-specific activation of inflammation, the method comprising administering to the mammal a composition comprising a fraction isolated or derived from hops and a second component selected from the group consisting of rosemary, an extract derived from rosemary, a compound derived from rosemary, and a triterpene species.

253. (New) The method of Claim 252, wherein the composition comprises about 0.5 to 10000 mg of the fraction isolated or derived from hops.

254. (New) The method of Claim 252, wherein the composition comprises about 0.001 to 10 weight percent of the fraction isolated or derived from hops.

**Matthew L. Tripp, et al.**

**New United States Patent Application submitted under 35 U.S.C. § 371 entitled  
COMPOSITIONS THAT TREAT OR INHIBIT PATHOLOGICAL  
CONDITIONS ASSOCIATED WITH INFLAMMATORY RESPONSE**

**Page 5**

255. (New) The method of Claim 252, wherein the composition further comprises a third component different from the second component, said third component is selected from the group consisting of rosemary, an extract derived from rosemary, a compound derived from rosemary, and a triterpene species.